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Product datasheet for TP728255

Recombinant IL-27 EBI3 (Interleukin-27 EBI3), Human

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant IL-27 EBI3 (Interleukin-27 EBI3), Human
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MRKGPPAALTLPRVQCRASRYPIAVDCSWTLPPAPNSTSPVSFIATYRLGMAARGHSWPCLQQTPTSTSCT ITDVQLFSMAPYVLNVTAVHPWGSSSSFVPFITEHIIKPDPPEGVRLSPLAERQLQVQWEPPGSWPFPEIFS LKYWIRYKRQGAARFHRVGPIEATSFILRAVRPRARYYVQVAAQDLTDYGELSDWSLPATATMSLGK with polyhistidine tag at the C-terminus
Tag:	His Tag (C-term)
Predicted MW:	The protein has a calculated MW of 24.25 kDa. The protein migrates as 25 kDa under reducing condition (SDS-PAGE analysis).
Purity:	>95% as determined by SDS-PAGE.
Buffer:	The protein was lyophilized from a 0.2 μm filtered solution containing 1X PBS, pH 8.0.
Bioactivity:	Measure by its ability to induce TF-1 cells proliferation using a concentration range of 20-200 ng/mL.
Endotoxin:	<0.1 EU per 1 μg of the protein by the LAL method.
Reconstitution Method:	Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 100 μg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.
Applications:	Cell culture
Storage:	Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.
UniProt ID:	Q14213
Synonyms:	Epstein-Barr virus induced 3, Interleukin-27 subunit beta, IL-27B, EBI3, p28, IL35B

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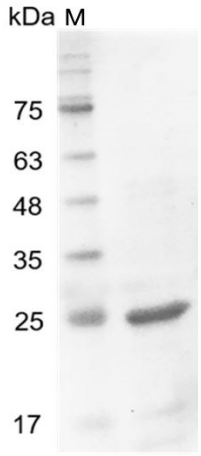
Summary: Interleukin 27 EBI3 (IL-27 EI3) predicts a molecular mass of 23.4 kDa. IL-27 is a heterodimeric cytokine that is encoded by Epstein-Barr virus-induced gene 3 (EBI3) and IL-27p28. It is expressed by antigen presenting cells and interacts with a specific cell-surface receptor complex known as IL-27 receptor (IL-27R).

Product images:



SDS- PAGE analysis of recombinant human IL-27 EBI3